

What is claimed is:

1. A polymeric composition comprising:
 - (a) a first ethylene polymer;
 - (b) a second ethylene polymer having a density less than 0.95 grams/cubic centimeter and being modified with an unsaturated aliphatic diacid anhydride;
 - (c) a flame retardant; and
 - (d) an ultra high molecular weight polysiloxane.
2. The polymeric composition of Claim 1 wherein the first ethylene polymer is selected from the group consisting of ethylene homopolymers, ethylene/alpha-olefin copolymers, ethylene/unsaturated ester copolymers, and ethylene/vinyl silane copolymers.
3. The polymeric composition of Claim 1 wherein the first ethylene polymer is selected from the group consisting of
 - (i) an ethylene polymer having a density less than 0.92 grams/cubic-centimeter, a peak differential scanning calorimeter ("DSC") melting point above 90 degrees Celsius, and a polydispersity index ("Mw/Mn") greater than 3;
 - (ii) an ethylene polymer having a density less than 0.90 grams/cubic-centimeter and a polydispersity index less than 3; and
 - (iii) mixtures of (i) and (ii).
4. The polymeric composition of Claim 1 wherein the second ethylene polymer being modified via grafting or copolymerization.
5. The polymeric composition of Claim 1 wherein the second ethylene polymer before modification is selected from the group consisting of ethylene homopolymers and ethylene/alpha-olefin copolymers.
6. The polymeric composition of Claim 1 wherein the flame retardant being a metal hydrate.
7. The polymeric composition of Claim 6 wherein the metal hydrate is selected from the group consisting of aluminum trihydroxide and magnesium dihydroxide.
8. The polymeric composition of Claim 6 wherein the metal hydrate being present in amount from 50 to 75 weight percent.
9. The polymeric composition of Claim 1 wherein the polysiloxane being a polydimethylsiloxane.

10. The polymeric composition of Claims 1 - 9 wherein the composition having a Limiting Oxygen Index ("LOI") of at least 37.

11. A polymeric composition comprising:

- (a) a first ethylene polymer selected from the group consisting of
 - (i) an ethylene polymer having a density less than 0.92 grams/cubic-centimeter, a peak differential scanning calorimeter ("DSC") melting point above 90 degrees Celsius, and a polydispersity index ("Mw/Mn") greater than 3,
 - (ii) an ethylene polymer having a density less than 0.90 grams/cubic-centimeter and a polydispersity index less than 3, and
 - (iii) mixtures of (i) and (ii);
- (b) a second ethylene polymer having a density less than 0.95 grams/cubic centimeter and being modified with an unsaturated aliphatic diacid anhydride;
- (c) a metal hydrate is selected from the group consisting of aluminum trihydroxide and magnesium dihydroxide; and
- (d) an ultra high molecular weight polydimethylsiloxane,

wherein the composition having a Limiting Oxygen Index ("LOI") of at least 37.

12. A cable comprising one or more electrical conductors or communication media, or a core of two or more electrical conductors or communication media, each electrical conductor, communication medium, or core being surrounded by a flame retardant composition comprising:

- (a) a first ethylene polymer;
- (b) a second ethylene polymer having a density less than 0.95 grams/cubic centimeter and being modified with an unsaturated aliphatic diacid anhydride;
- (c) a flame retardant; and
- (d) an ultra high molecular weight polysiloxane.

13. The cable of Claim 12 wherein the first ethylene polymer is selected from the group consisting of ethylene homopolymers, ethylene/alpha-olefin copolymers, ethylene/unsaturated ester copolymers, and ethylene/vinyl silane copolymers.

14. The cable of Claim 12 wherein the first ethylene polymer is selected from the group consisting of

- (i) an ethylene polymer having a density less than 0.92 grams/cubic-centimeter, a peak differential scanning calorimeter ("DSC") melting point above 90 degrees Celsius, and a polydispersity index ("Mw/Mn") greater than 3;
 - (ii) an ethylene polymer having a density less than 0.90 grams/cubic-centimeter and a polydispersity index less than 3; and
 - (iii) mixtures of (i) and (ii).
15. The cable of Claim 12 wherein the second ethylene polymer being modified via grafting or copolymerization.
16. The cable of Claim 12 wherein the second ethylene polymer before modification is selected from the group consisting of ethylene homopolymers and ethylene/alpha-olefin copolymers.
17. The cable of Claim 12 wherein the flame retardant being a metal hydrate.
18. The cable of Claim 17 wherein the metal hydrate is selected from the group consisting of aluminum trihydroxide and magnesium dihydroxide.
19. The cable of Claim 17 wherein the metal hydrate being present in amount from 50 to 75 weight percent.
20. The cable of Claim 12 wherein the polysiloxane being a polydimethylsiloxane.
21. The cable of Claims 12 - 20 wherein the flame retardant composition having a Limiting Oxygen Index ("LOI") of at least 37.
22. An article of manufacture made from or containing a flame retardant composition comprising:
- (a) a first ethylene polymer;
 - (b) a second ethylene polymer having a density less than 0.95 grams/cubic centimeter and being modified with an unsaturated aliphatic diacid anhydride;
 - (c) a flame retardant; and
 - (d) an ultra high molecular weight polysiloxane.
23. The article of Claim 22 wherein the article is selected from the group consisting of extended or thermoformed sheets, injection-molded articles, coated fabrics, construction materials, and automotive materials.